

Title (en)

METHOD OF AND APPARATUS FOR PRODUCING POWER IN REMOTE LOCATIONS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ENERGIEERZEUGUNG AN ABGELEGENEN ORTEN

Title (fr)

PROCEDE ET APPAREIL DE PRODUCTION D'ENERGIE DANS DES LIEUX ELOIGNES

Publication

**EP 1636464 A4 20060927 (EN)**

Application

**EP 04736728 A 20040613**

Priority

- IL 2004000504 W 20040613
- US 46036903 A 20030613

Abstract (en)

[origin: US2004055303A1] A system for producing power at remote locations comprises: a closed cycle vapor turbine unit having an evaporator containing liquid working fluid, a turbine receiving vapor of the evaporated working fluid for producing power by way of an electrical generator coupled to the turbine, a condenser and means for returning the working fluid condensate from the condenser to the evaporator; a biomass furnace associated with the evaporator for heating working fluid present in the evaporator and evaporating a portion of the working fluid; and a controller for controlling the amount of biomass fuel supplied to the biomass furnace in accordance with energy requirements of a customer load. Further, a method for producing power using the system is also provided.

IPC 8 full level

**F01K 1/00** (2006.01); **F01K 3/24** (2006.01); **F01K 23/06** (2006.01); **F01K 25/08** (2006.01)

CPC (source: EP US)

**F01K 3/247** (2013.01 - EP US); **F01K 23/065** (2013.01 - EP US); **F01K 25/08** (2013.01 - EP US); **Y02E 20/12** (2013.01 - EP US)

Citation (search report)

- [PX] US 2004055303 A1 20040325 - SUGARMEN CHAIM [IL], et al
- [PX] US 2004060293 A1 20040401 - SUGARMEN CHAIM [IL], et al
- [X] EP 1221573 A1 20020710 - STOEGER JOSEF JUN [AT]
- [A] US 4278052 A 19810714 - SHARP EVERETT H
- [A] US 4852344 A 19890801 - WARNER DONALD F [US]
- [A] US 2003005700 A1 20030109 - MCINTYRE DAVID GORDON [CA]
- [A] GB 2001705 A 19790207 - EAST B
- See references of WO 2004111395A2

Designated contracting state (EPC)

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**US 2004055303 A1 20040325**; **US 6973789 B2 20051213**; BR PI0411439 A 20060718; EP 1636464 A2 20060322; EP 1636464 A4 20060927; WO 2004111395 A2 20041223; WO 2004111395 A3 20050609; WO 2004111395 B1 20050804

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